

STN  
10/25/06

d his

(FILE 'HOME' ENTERED AT 10:07:54 ON 25 OCT 2006)

FILE 'REGISTRY' ENTERED AT 10:08:40 ON 25 OCT 2006

L1 10 S PTFE  
L2 19 S PVDF

FILE 'CAPLUS' ENTERED AT 10:10:02 ON 25 OCT 2006

L3 12795 S PVDF OR POLYVINYLIDENE FLUORIDE  
L4 1327 S KYNAR  
L5 58020 S TEFLON OR PTFE OR POLYTETRAFLUOROETHYLENE  
L6 70231 S L3 OR L4 OR L5  
L7 65016 S L6 NOT (BATTERY OR BATTERIES OR ELECTROCHEMICAL CELL? OR ELEC  
L8 5215 S L6 NOT L7  
L9 114 S L8 AND (L6 (W) (SHELL OR COAT? OR PROTECT? OR BARRIER))  
L10 43 S L9 AND ELECTROLYTE  
L11 14 S L10 AND ACTIVE

=>

ANSWER 2 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN

RN 24937-79-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN Ethene, 1,1-difluoro-, homopolymer (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ethylene, 1,1-difluoro-, homopolymer (6CI)

CN Ethylene, 1,1-difluoro-, polymers (8CI)

OTHER NAMES:

CN  $\alpha$ -Polyvinylidene difluoride

CN  $\beta$ -Polyvinylidene difluoride

CN 1,1-Difluoroethene homopolymer

CN 1,1-Difluoroethylene polymer

CN 1000LD

CN 1000VLD

CN 301F

CN 4000H

CN 9000HD

CN AcroPak 20 Fluorodyne II

CN CA 16

CN CA 16 (fluoropolymer)

CN Cellomer

CN Dalvor

CN Denka DX 41WT0040

CN Desal JX

CN Dulite

CN Durapore

CN Durapore GVHP

CN Durapore GVWP

CN Durapore GVWP 14250

CN Durapore HVLP

CN Durapore VVLP

CN Dyflor 2000

CN Dyflor 2000ES

CN Dyflor 2000ES-P

CN Dyflor 2000L

CN Dyflor 2000M

CN Dyflor 2000WS

CN Dyflor EE

CN Dyflor LE

CN Dyflor X 7394

CN Emflon II

CN F 2

CN F 2 (vinyl polymer)

CN F 22

CN F 22 (fluoropolymer)

CN F 4000HD

CN Fluorex

CN Fluorex Clear 20011

CN Fluorex HT 1

CN Fluorodyne

CN Fluorolon 2

CN Fluoropolymers, poly(vinylidene fluoride)

CN Fluorotrans

CN Fluorotrans W

CN Foraflon

CN Foraflon 1000HD

CN Kynar 1000

CN Kynar 1000HD

CN Kynar 1120

CN Kynar 1140

CN Kynar 15000HD

CN Kynar 200

CN Kynar 201

CN Kynar 202

CN Kynar 203  
CN Kynar 2501-20  
CN Kynar 300  
CN Kynar 301  
CN Kynar 301F  
CN Kynar 32  
CN Kynar 3200  
CN Kynar 400  
CN Kynar 4000HD  
CN Kynar 401  
CN Kynar 416  
CN Kynar 450  
CN Kynar 460  
CN Kynar 4600  
CN Kynar 460N  
CN Kynar 461  
CN Kynar 50  
CN Kynar 500  
CN Kynar 500 Plus  
CN Kynar 500PC  
CN Kynar 500W  
CN Kynar 50HD  
CN Kynar 50HD-CP900  
CN Kynar 51  
CN Kynar 600  
CN Kynar 6000  
CN Kynar 6000HD  
CN Kynar 700  
CN Kynar 710  
CN Kynar 711  
CN Kynar 720  
CN Kynar 721  
CN Kynar 730  
CN Kynar 731  
CN Kynar 74  
CN Kynar 740  
CN Kynar 740A  
CN Kynar 741  
CN Kynar 760  
CN Kynar 761  
CN Kynar 761A  
CN Kynar 820  
CN Kynar 821  
CN Kynar 880N  
CN Kynar 881  
CN Kynar 9000  
CN Kynar 9000HD  
CN Kynar 9000LD  
CN Kynar 901  
CN Kynar 960  
CN Kynar 960ES  
CN Kynar 961  
CN Kynar F 1000HD  
CN Kynar F 1000LD  
CN Kynar F 6000  
CN Kynar Flex 2504  
CN Kynar Flex 301F  
CN Kynar Flex 721  
CN Kynar Flex 741  
CN Kynar Flex 761  
CN Kynar K 301  
CN Kynar K 301F  
CN Kynar K 740  
CN Kynar K 761

CN Kynar RC 9816-21  
CN Kynar V 500  
CN Neoflon PVDF-VP 810  
CN Neoflon PVDF-VP 850  
CN PVDF  
CN PVDF 4  
CN PVDF 6008  
CN PVDF-Plus

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

DR 102381-94-2, 138185-45-2, 74125-35-2, 52683-00-8

MF (C2 H2 F2)x

CI PMS, COM

PCT Fluoropolymer, Polyvinyl

LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT,  
CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DRUGU, EMBASE,  
ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, IFICDB, IFIPAT, IFIUDB,  
IPA, MEDLINE, MSDS-OHS, PIRA, PROMT, TOXCENTER, TULSA, USPAT2,  
USPATFULL, VTB

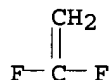
Other Sources: DSL\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 75-38-7

CMF C2 H2 F2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

16725 REFERENCES IN FILE CA (1907 TO DATE)

367 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

16798 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 9002-84-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN Ethene, tetrafluoro-, homopolymer (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 12GN

CN 12GN (fluoropolymer)

CN 300H

CN 300H (fluoropolymer)

CN 30B

CN 30J

CN 316J

CN 3443J

CN 34J

CN 400H

CN 4K15M5

CN 601A

CN 601A (fluoropolymer)

CN 60J

CN 669N

CN 675AD

CN 6C-J

CN 6J

CN 700J

CN 7AJ

CN 7J

CN 901UL

CN Aceflon S

CN AD 058

CN AD 1

CN AD 1030

CN AD 2

CN AD 310

CN AD 310 (fluoropolymer)

CN AD 396

CN AD 639

CN AD 911

CN AD 936

CN AFG 80VS

CN Aflon 169J

CN Aflon AD 1

CN Aflon AD 911

CN Aflon AD 936

CN Aflon CD 1

CN Aflon CD 123

CN Aflon CF 80-11

CN Aflon CF 8025

CN Aflon G 163

CN Aflon G 350

CN Aflon G 8

CN Aflon G 80

CN Aflon L 150J

CN Aflon L 169J

CN Aflon L 170J

CN Aflon PTFE AD 1

CN Aflon PTFE Fine Powder CD 1

CN Aflon PTFE-L 169J

CN Dyneon PTFE

CN Emflon PTFE

CN Ethicon PTFE

CN Fluon PTFE-G 201

CN Fluon PTFE-L 173J

CN Nitoflon PTFE

CN Polyflon PTFE D 2C

CN Polyflon PTFE EK 3700C201  
CN Polyflon PTFE F 104  
CN Polyflon PTFE M 12  
CN PTFE  
CN PTFE 6CN  
CN PTFE 820J  
CN PTFE-DL 1  
CN PTFE-GM 3  
CN Teflon  
CN Teflon 10J  
CN Teflon 110  
CN Teflon 1605J  
CN Teflon 1691J  
CN Teflon 170J  
CN Teflon 30  
CN Teflon 301  
CN Teflon 306A  
CN Teflon 30B  
CN Teflon 30J  
CN Teflon 30N  
CN Teflon 3170  
CN Teflon 327  
CN Teflon 340  
CN Teflon 3579  
CN Teflon 3636  
CN Teflon 41J  
CN Teflon 42  
CN Teflon 42J  
CN Teflon 5  
CN Teflon 500A  
CN Teflon 6  
CN Teflon 60  
CN Teflon 60J  
CN Teflon 6C-J  
CN Teflon 6J  
CN Teflon 702N  
CN Teflon 703N  
CN Teflon 7A  
CN Teflon 7AJ  
CN Teflon 7C  
CN Teflon 7J  
CN Teflon 800J  
CN Teflon 851-204  
CN Teflon 855-510  
CN Teflon 855J21033  
CN Teflon 9001  
CN Teflon B  
CN Teflon CFP 6000  
CN Teflon DLX 6000  
CN Teflon GCJ  
CN Teflon K  
CN Teflon K 10  
CN Teflon K 10J  
CN Teflon KTL 610  
CN Teflon MP 100  
CN Teflon MP 1000  
CN Teflon MP 1100  
CN Teflon MP 1200  
CN Teflon MP 1300  
CN Teflon MP 1400  
CN Teflon MP 1500  
CN Teflon MP 1500J  
CN Teflon MP 1600  
CN Teflon NXT

CN Teflon P 26-6026  
 CN Teflon PLP 10  
 CN Teflon PTFE 62  
 CN Teflon PTFE 7A  
 CN Teflon T 30  
 CN Teflon T 30J  
 CN Teflon T 313A  
 CN Teflon T 5  
 CN Teflon T 6  
 CN Teflon T 60  
 CN Teflon T 62  
 CN Teflon T 8A  
 CN Teflon T-CN  
 CN Teflon TE 30  
 CN Teflon TE 3111  
 CN Teflon TE 3170  
 CN Teflon TE 3313  
 CN Teflon TE 3641  
 CN Teflon TE 3667N  
 CN Teflon TE 6462  
 CN Teflon TE 6472  
 CN Teflon TEF 3111  
 CN Teflon TFE  
 CN Teflon TFE 30  
 CN Teflon TFE 6  
 CN Teflon TFE 70J  
 CN Teflon TFE 914J  
 CN Teflon TLP 10  
 CN Teflon TLP 10F1  
 CN Tetran PTFE

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

DR 777084-73-8, 865852-56-8, 654065-49-3, 808142-15-6, 12645-33-9, 9083-96-9,  
 11100-52-0, 11100-53-1, 11100-55-3, 177645-76-0, 162874-32-0, 173940-57-3,  
 173432-12-7, 173524-85-1, 122303-61-1, 127464-21-5, 56996-58-8,  
 57459-97-9, 124364-97-2, 54847-86-8, 55963-20-7, 59217-42-4, 60328-53-2,  
 62395-27-1, 62863-04-1, 62887-20-1, 99550-18-2, 67167-43-5, 113796-63-7,  
 113796-64-8, 50642-31-4, 50642-88-1, 61036-97-3, 61229-64-9, 66174-04-7,  
 66594-21-6, 37206-29-4, 37265-32-0, 37270-95-4, 37291-53-5, 37339-24-5,  
 139074-77-4, 137263-78-6, 137263-79-7, 137263-80-0, 137263-81-1,  
 137263-82-2, 69458-69-1, 73145-10-5, 144855-59-4, 70535-62-5, 70694-56-3,  
 142106-41-0, 75789-23-0, 75798-09-3, 147172-51-8, 151638-47-0,  
 151638-48-1, 85497-65-0, 86473-61-2, 82458-15-9, 82785-14-6, 83138-91-4,  
 83383-03-3, 90881-59-7, 86923-87-7, 91316-43-7, 92047-28-4, 39403-91-3,  
 39403-92-4, 52357-72-9, 52627-41-5, 52683-01-9, 53168-59-5, 99775-10-7,  
 179987-17-8, 186048-63-5, 186048-70-4, 186048-71-5, 200888-96-6,  
 202936-18-3, 203210-56-4, 271586-43-7, 361532-11-8

MF (C2 F4)x

CI PMS, COM

PCT Fluoropolymer, Polyvinyl

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS,  
 CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DRUGU,  
 EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, HSDB\*, IFICDB,  
 IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*,  
 SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VTB  
 (\*File contains numerically searchable property data)

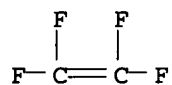
Other Sources: DSL\*\*, TSCA\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 116-14-3

CMF C2 F4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

47742 REFERENCES IN FILE CA (1907 TO DATE)

553 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

47879 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	33691	matsushita-\$.as.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:49
L2	174	1 AND (GAMMA WITH ETHYLENE)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:38
L3	47	2 NOT LITHIUM	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:38
L4	127	2 NOT 3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:38
L5	73	4 NOT MANGAN\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:38
L6	12	5 AND BOILING	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:41
L7	487	GASKET SAME (GAMMA BUTYROLACTONE "ETHYLENE CARBONATE")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:46
L8	228	7 NOT LITHIUM	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:41
L9	259	7 NOT 8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:42
L10	60	9 NOT (MN MANGAN\$7)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:42
L11	199	9 NOT 10	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:42
L12	171	11 NOT 1	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:42
L13	28	11 NOT 12	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:44
L14	1	"08321287"	US-PGPUB; USPAT; USOCR; JPO	OR	OFF	2006/10/25 15:44
L15	279118	(GAMMA BUTYROLACTONE WITH "ETHYLENE CARBONATE")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:47
L16	4161	(BUTYROLACTONE WITH "ETHYLENE CARBONATE")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:47

## EAST Search History

L17	1233	16 NOT LITHIUM	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:48
L18	2928	16 NOT 17	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:48
L19	418	18 NOT (BATTERY BATTERIES ELECTROCHEMICAL)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:48
L20	2510	18 NOT 19	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:48
L21	2081	20 AND "429"/\$.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:48
L22	1089	20 AND "429"/\$.CCLS.	USPAT	OR	OFF	2006/10/25 15:48
L23	287	22 NOT (MN MANGAN\$7)	USPAT	OR	OFF	2006/10/25 15:48
L24	802	22 NOT 23	USPAT	OR	OFF	2006/10/25 15:49
L25	41	1 AND 24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 15:49
L26	0	"li.sub4 mn.sub.5 o.sub.12"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 15:56
L27	40	"li.sub.4 mn.sub.5 o.sub.12"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 15:56
L28	20	"li4mn5o12"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 15:56
L29	59	27 28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 16:07
L30	27	29 and thackeray	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 16:07

## EAST Search History

L31	27	(US-20050084758-\$ or US-20050053834-\$ or US-20040018430-\$ or US-20030054250-\$ or US-20050034993-\$ or US-20020086191-\$). did. or (US-7108944-\$ or US-6558844-\$ or US-6492061-\$ or US-6287727-\$ or US-5916516-\$ or US-5789114-\$ or US-7087348-\$ or US-5705291-\$ or US-5437943-\$ or US-6489062-\$ or US-6355379-\$ or US-6274277-\$ or US-6057058-\$ or US-6376109-\$ or US-6749649-\$ or US-6723473-\$ or US-5449577-\$).did. or (WO-9949527-\$).did. or (JP-2000058065-\$ or JP-08321287-\$).did. or (JP-2004213968-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/25 16:33
S1	271534	kynar pvdf polyvinylidene fluoride "polyvinylidene fluoride" ptfe teflon polytetrafluoroethylene fluoropolymer dyflor durapore fluorex aflon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:18
S2	66946	S1 near7 (coat\$4 film barrier protect\$4 repell\$4 hydrophobic hydrophilic hydrophillic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:27
S3	60219	S2 not (battery batteries (electrochemical adj (cell\$1 stor\$4)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:51
S4	6727	S2 not S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:20
S5	583	S2 not S3	EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:21
S6	506	S5 not (fuel adj cell\$1)	EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:28
S7	5657	S1 near7 (coat\$4 film barrier protect\$4 repell\$4 hydrophobic hydrophilic hydrophillic shell liner lining) with (particle\$1 grains active core spheres)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:31
S8	5657	S1 near7 (coat\$4 film barrier protect\$4 repell\$4 hydrophobic hydrophilic hydrophillic shell liner lining) with (particle\$1 grains active core spheres)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:27
S9	4665	S8 not (battery batteries (electrochemical adj (cell\$1 stor\$4)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:28

## EAST Search History

S10	992	S8 not S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:28
S11	84	S10 not (fuel adj cell\$1)	EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:28
S12	547	S10 not (fuel adj cell\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:35
S13	84	S10 not (fuel adj cell\$1)	EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:28
S14	913339	(coat\$4 film barrier protect\$4 repell\$4 hydrophobic hydrophilic hydrophilic shell liner lining cover\$4 encapsul\$6) with (particle\$1 grains active core spheres)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:31
S15	868692	S14 not (battery batteries (electrochemical adj (cell\$1 stor\$4)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:32
S16	44647	S14 not S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:34
S17	1496	S16 and (S14 with S1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:34
S18	1311	S16 and (S14 with S1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 10:34
S19	1248	S16 and (S14 with S1)	US-PGPUB; USPAT	OR	OFF	2006/10/25 10:34
S20	954	S17 not (fuel adj cell\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:36
S21	151	S17 not (fuel adj cell\$1)	EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:48
S22	0	S19 not S21	EPO; JPO; DERWENT	OR	OFF	2006/10/25 10:48
S23	1248	S19 not S21	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 10:48

## EAST Search History

S24	828	S23 and "429"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 10:48
S25	828	S23 and "429"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/10/25 10:51
S26	1	"6841610".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/25 10:51
S27	4	("20020055042"   "5292601"   "5705291"   "6475664").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:02
S28	39	("3522078"   "4465747"   "4977024"   "5277995"   "5292601").PN. OR ("5705291"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:02
S29	6	("20020141937"   "5705291"   "5928622"   "6458487"   "6489060"   "6558844").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:03
S30	5	("5705291"   "5789114"   "5856044"   "5916516").PN. OR ("6287727").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:08
S31	26	S1 and S28	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:08
S32	10	("5674645").PN. OR ("5916516").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:13
S33	12	("3042732"   "5441833"   "5482797"   "5503946").PN. OR ("5789114").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:14

## EAST Search History

S34	103	( "20010005558"   "20010005562"   "20010007726"   "20020015278"   "20020036282"   "20020048706"   "20020071990"   "20020071991"   "20020074972"   "20020192137"   "20020195591"   "20030003352"   "20030008212"   "20030049529"   "20030054250"   "20030082446"   "20030099884"   "20040005265"   "20040018429"   "20040018430"   "20040151887"   "20040185343"   "20040265692"   "20050026037"   "20050034993"   "3765943"   "3864167"   "4245016"   "4555454"   "4599114"   "4615784"   "4668596"   "4758483"   "4889777"   "5100747"   "5187209"   "5213895"   "5227267"   "5294504"   "5399447"   "5436093"   "5441830"   "5464707"   "5478676"   "5518833"   "5520850"   "5527641"   "5554459"   "5567754"   "5578396"   "5587253"   "5588971"   "5589297"   "5591544"   "5624605"   "5654115"   "5677080"   "5698342"   "5705291"   "5714053"   "5733683"   "5759714"   "5789100"   "5821033"   "5827615"   "5834136"   "5840087"   "5897522"   "5902689"   "5910382"   "5925283"   "6063519"   "6069221"   "6096453"   "6096454"   "6117593"   "6120940"   "6136476"   "6159389"   "6174623"   "6231779"   "6280875"   "6291097"   "6300016"   "6306540"   "6322924"   "6337156"   "6342317"   "6395429"   "6403263"   "6410189"   "6413284"   "6413285"   "6495283"   "6528033"   "6599662"   "6753111"   "6764525"   "6797435"   "6800399"   "6818356"   "6878487"   "RE36843").PN. OR ("7087348").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:16
S35	34	("5910382").URPN.	USPAT	OR	OFF	2006/10/25 11:27
S36	23000	psa (pressure near2 adsorp\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:27
S37	8139	(pressure near2 adsorp\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:27
S38	843	(pressure near2 adsorp\$4) with (hydrocarbon methane "ch.sub.4" "natural gas")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 11:28

## EAST Search History

S39	779	S38 not (fuel adj cell\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 11:28
S40	64	S38 not S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 11:28
S41	1	S38 with (fullerene\$1 nanotube\$1 swnt\$1 mwnt\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 11:29
S42	1	pressure with (adsor\$6 desor\$6) with (fullerene\$1 nanotube\$1 swnt\$1 mwnt\$1) with (methane hydrocarbon "ch.sub.4" "natural gas")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 11:30
S43	35	pressure with (adsor\$6 desor\$6) with (fullerene\$1 nanotube\$1 swnt\$1 mwnt\$1 nano-tube\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 11:31
S44	34	S43 not S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 11:31
S45	7	("4255466"   "4278825"   "4330387"   "4382875"   "4900642"   "5043234").PN. OR ("5514495").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:44
S46	24	("4906538"   "4948685"   "5037713"   "5066556"   "5108855").PN. OR ("5437943").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:46
S47	1403	429/231.95.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:47
S48	1171	S47 and (surface surfactant passivat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:47
S49	176	S47 and (surfactant passivat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 11:49
S50	37329	S1 near5 (shell coating barrier surface surfactant passivat\$4 interlayer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:50

## EAST Search History

S51	35164	S50 not (lithium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:50
S52	2165	S50 not S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:51
S53	1324	S52 not (battery batteries (electrochemical adj (cell\$1 stor\$4)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:51
S54	841	S52 not S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:53
S55	477	S54 and ("429"/\$.ccls. h01m\$.ipc.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:53
S56	350	S55 not (fuel adj cell\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:56
S57	127	S55 not S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:53
S58	0	"li.sub4 mn.sub.5 o.sub.12"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 15:56
S59	40	"li.sub.4 mn.sub.5 o.sub.12"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:58
S60	29	S59 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:56



## EAST Search History

S61	12	S60 and (gasket\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:56
S62	0	"li.sub.4 mn.sub.5 o.sub.12"	EPO; JPO; DERWENT	OR	OFF	2006/10/25 11:58
S63	19	"li4mn5o12"	EPO; JPO; DERWENT	OR	OFF	2006/10/25 12:01
S64	9	"2002117841" "2002279991" "2002373643" "2002141069"	EPO; JPO; DERWENT	OR	OFF	2006/10/25 12:02
S65	2	"6713215".pn.	USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/25 12:03
S66	5	("5427874"   "6274277"   "6355379"   "6489062"   "RE35818").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:04
S67	9	("4601919"   "5075990"   "5294499"   "5545468"   "5601952"   "5624771"   "6057058"   "6274271"   "6274277").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:07
S68	1	"5401599".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:07
S69	13	("4601919"   "5075990"   "5294499"   "5545468"   "5601952"   "5624771"   "6057058"   "6274271"   "6274277").PN. OR ("6489062").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:07
S70	5	("5360685"   "6130311"   "6152970"   "6274277"   "6489062").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:16
S71	1	"6274277".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:17
S72	0	S71 and (nonaqueous aqueous)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:17
S73	0	S71 and (nonaqueous non-aqueous)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:17
S74	1	S71 and organic	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:22
S75	1	S71 and separator	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:25
S76	1	S71 and gasket	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:27
S77	1	S71 and gamma	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:28

## EAST Search History

S78	1	S71 and boiling	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:53
S79	1	"20020034673"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:54
S80	2	"3541595".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 12:56
S81	1	"5981098".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 13:37
S82	0	matsushita-\$as.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 13:38
S83	33691	matsushita-\$as.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:27